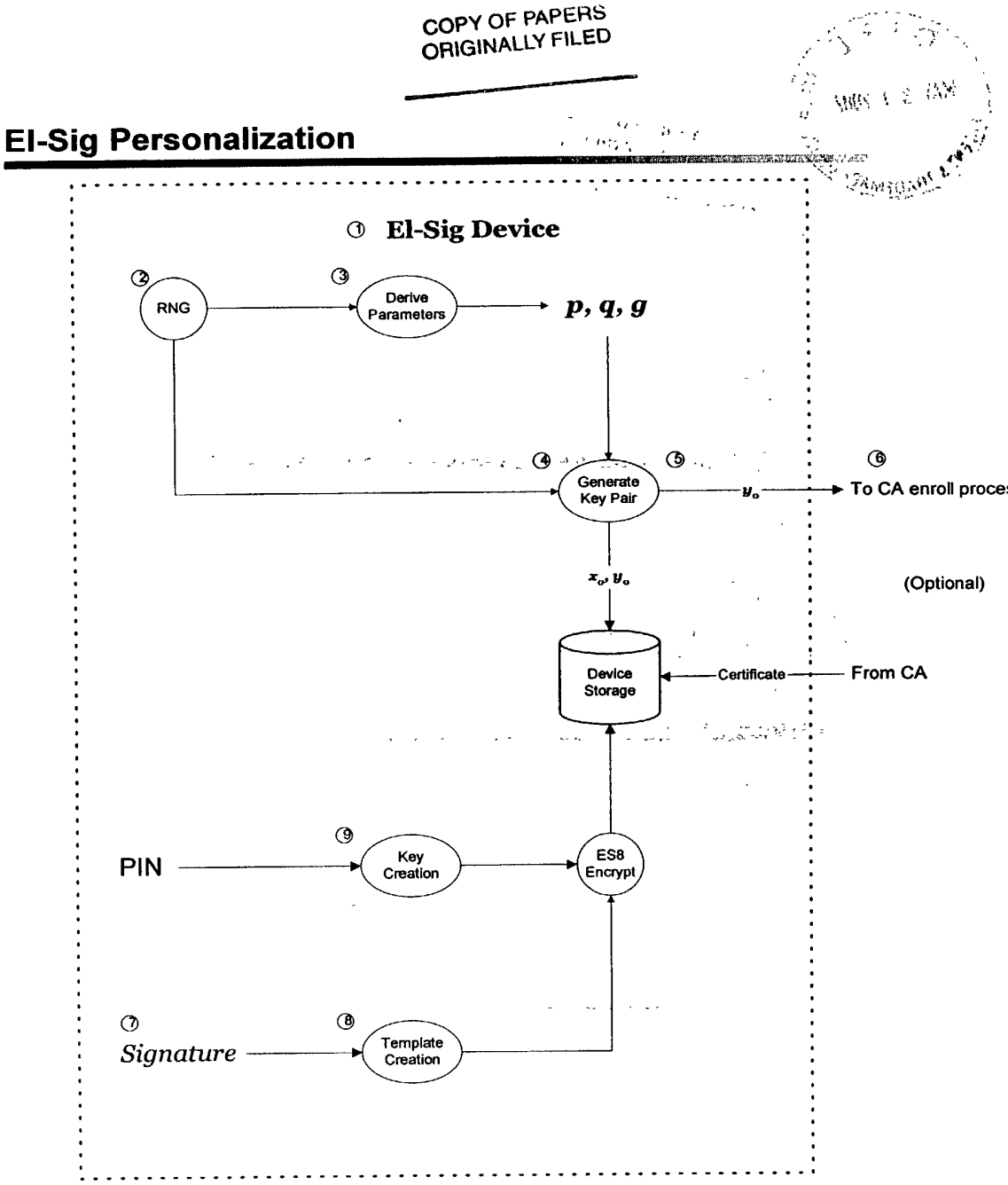

FIG. 1

El-Sig Originator Process

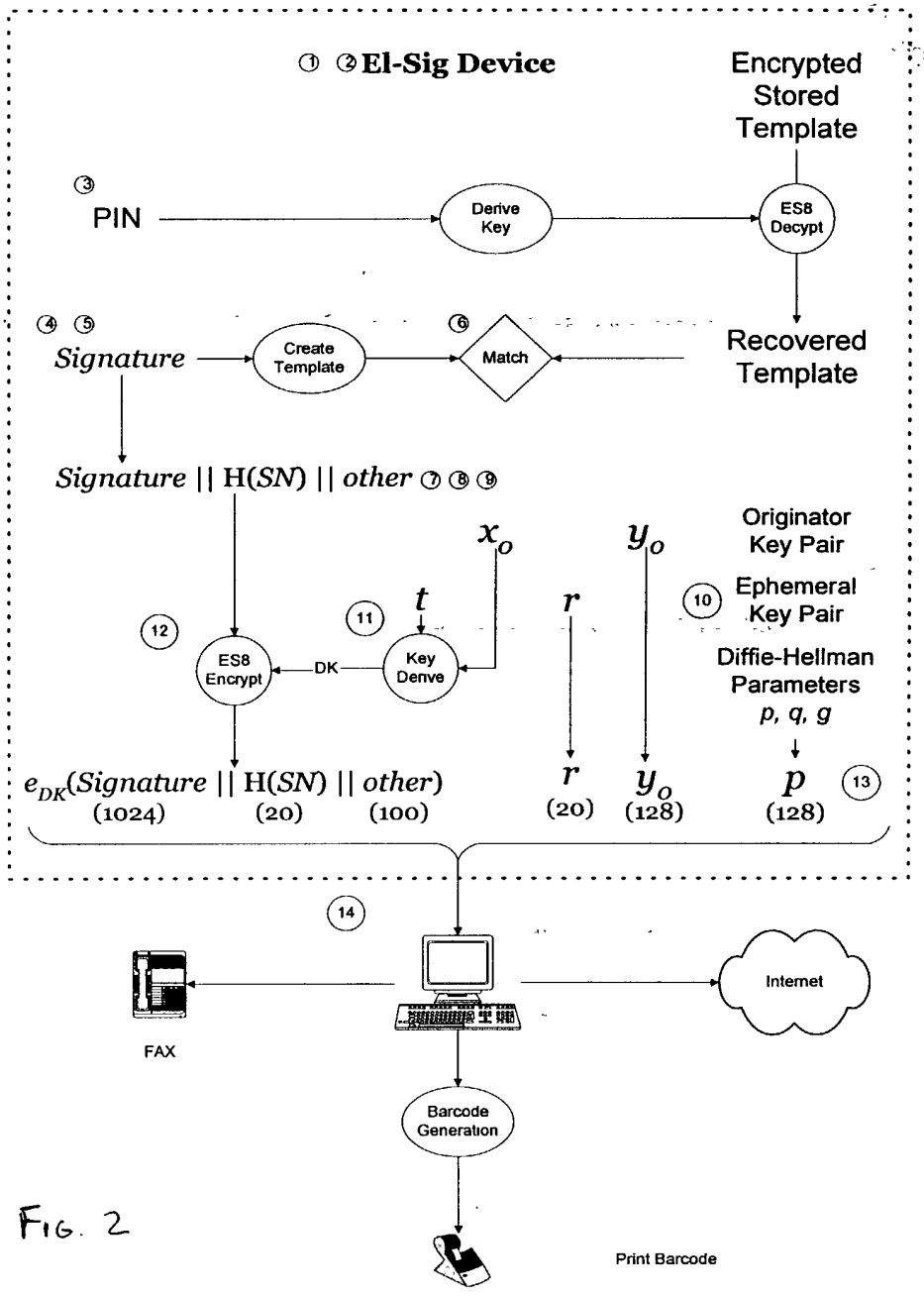

FIG. 2

EI-Sig Recipient Process

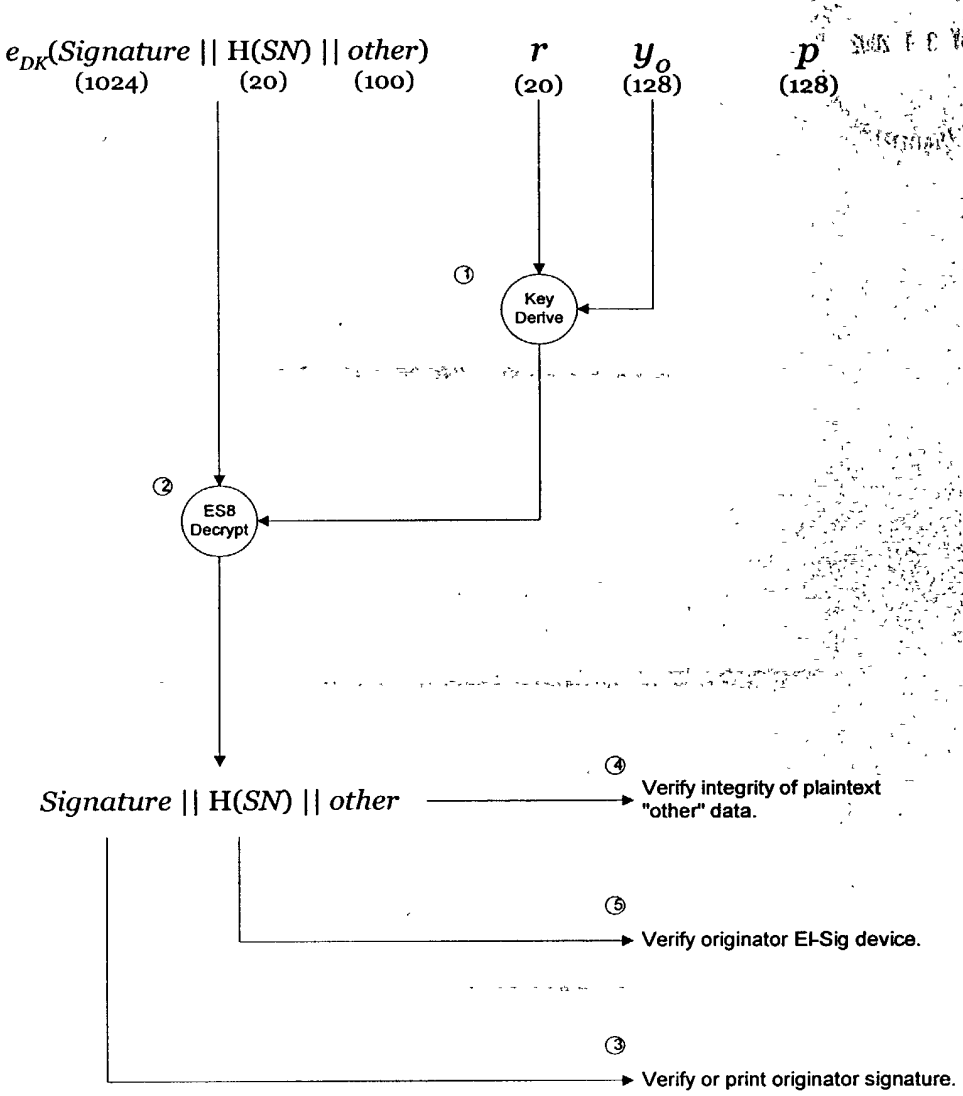

FIG. 3

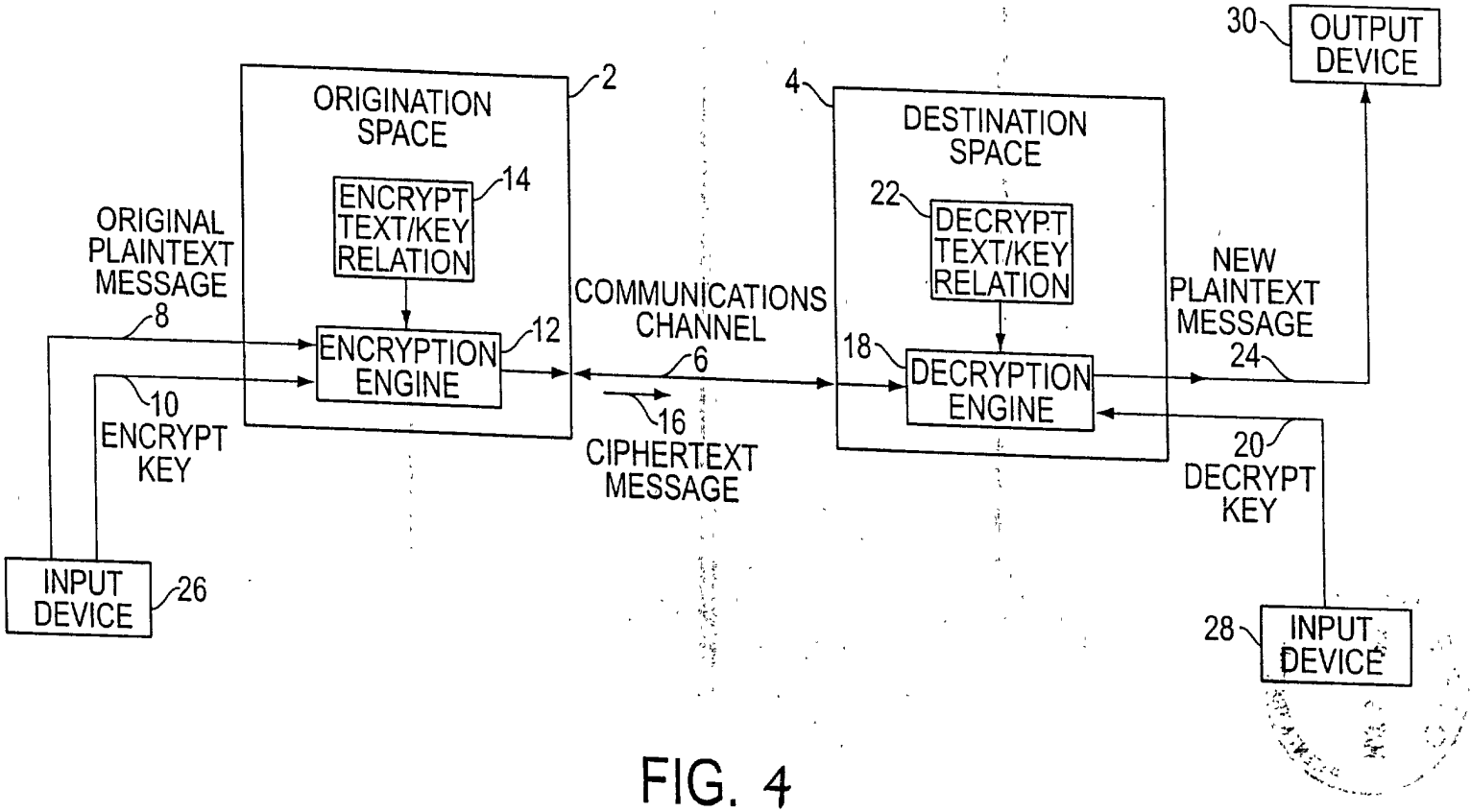
ORIGINATION SPACE
2
ENCRYPT TEXT/KEY RELATION
14
ORIGINAL PLAINTEXT MESSAGE
8
ENCRYPTION ENGINE
12
10
ENCRYPT KEY
INPUT DEVICE
26
COMMUNICATIONS CHANNEL
6
16
CIPHERTEXT MESSAGE
4
DESTINATION SPACE
22
DECRYPT TEXT/KEY RELATION
18
DECRYPTION ENGINE
NEW PLAINTEXT MESSAGE
24
30
OUTPUT DEVICE
20
DECRYPT KEY
28
INPUT DEVICE

FIG. 4

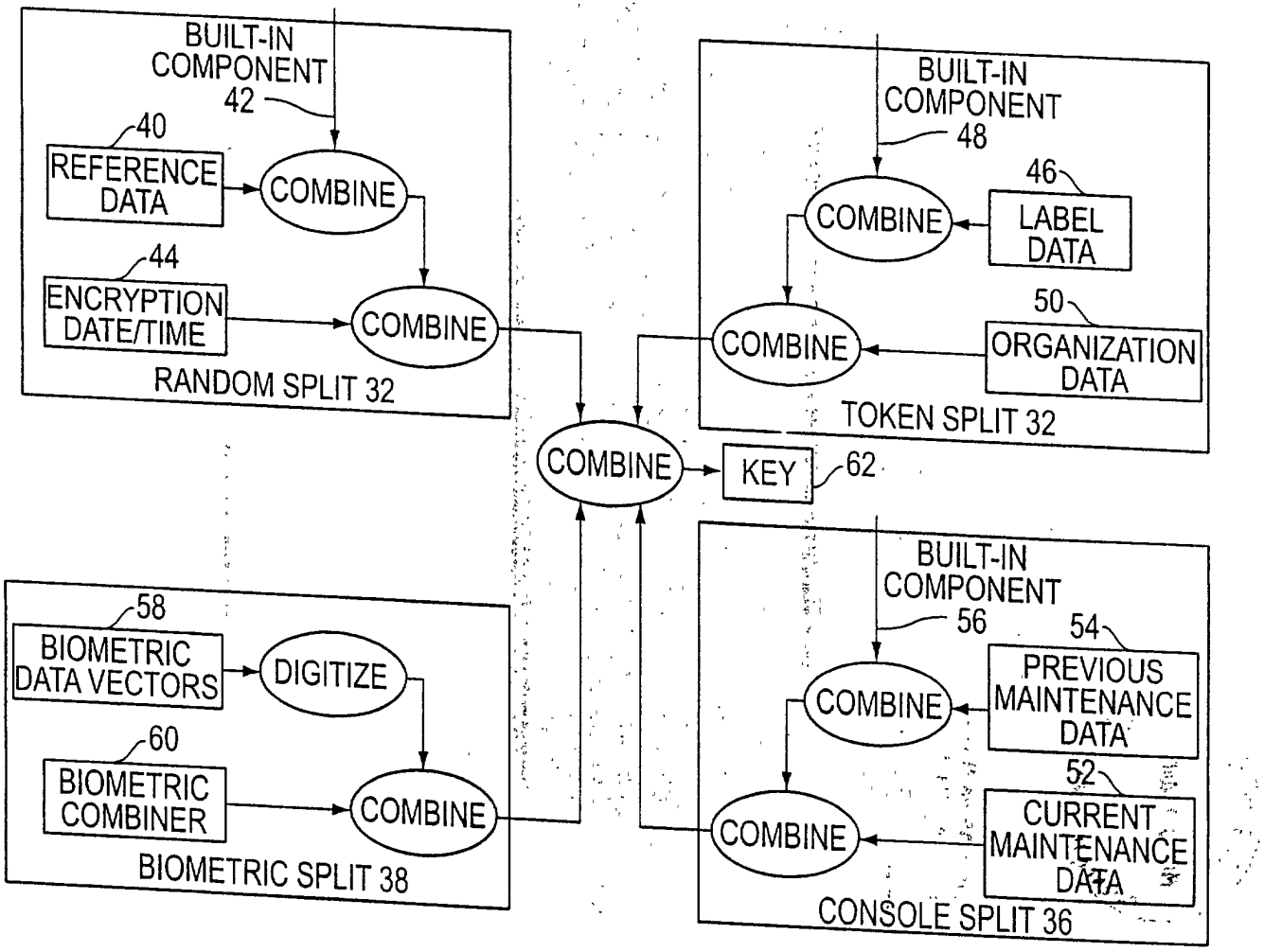
BUILT-IN COMPONENT
42
40
REFERENCE DATA
COMBINE
44
ENCRYPTION DATE/TIME
COMBINE
RANDOM SPLIT 32
BUILT-IN COMPONENT
48
46
COMBINE
LABEL DATA
50
COMBINE
ORGANIZATION DATA
TOKEN SPLIT 32
COMBINE
KEY
62
58
BIOMETRIC DATA VECTORS
DIGITIZE
60
BIOMETRIC COMBINER
COMBINE
BIOMETRIC SPLIT 38
BUILT-IN COMPONENT
56
54
COMBINE
PREVIOUS MAINTENANCE DATA
52
COMBINE
CURRENT MAINTENANCE DATA
CONSOLE SPLIT 36

FIG. 5